

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526235

Luminaire Tested: **GALN-SA1A-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



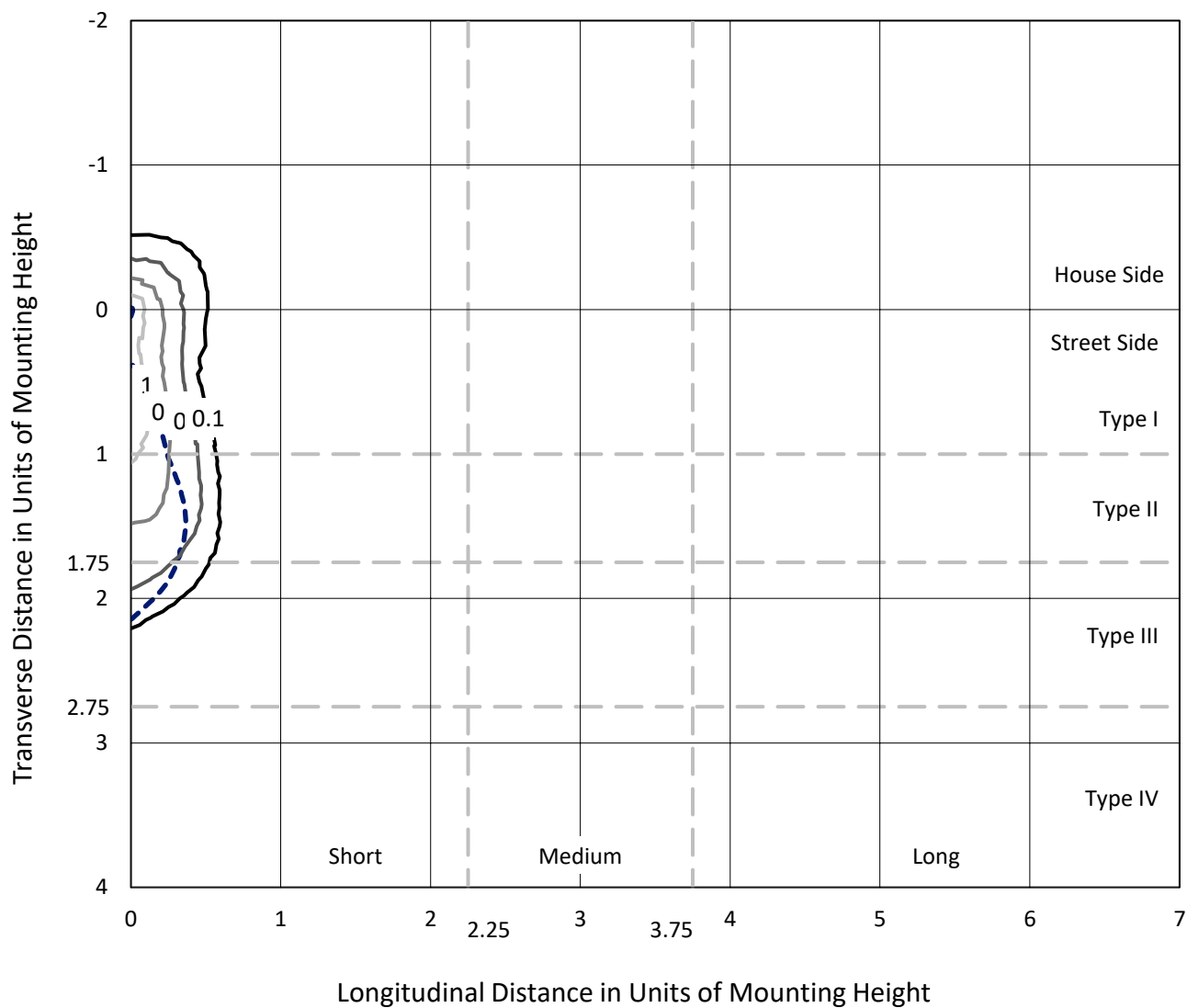
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



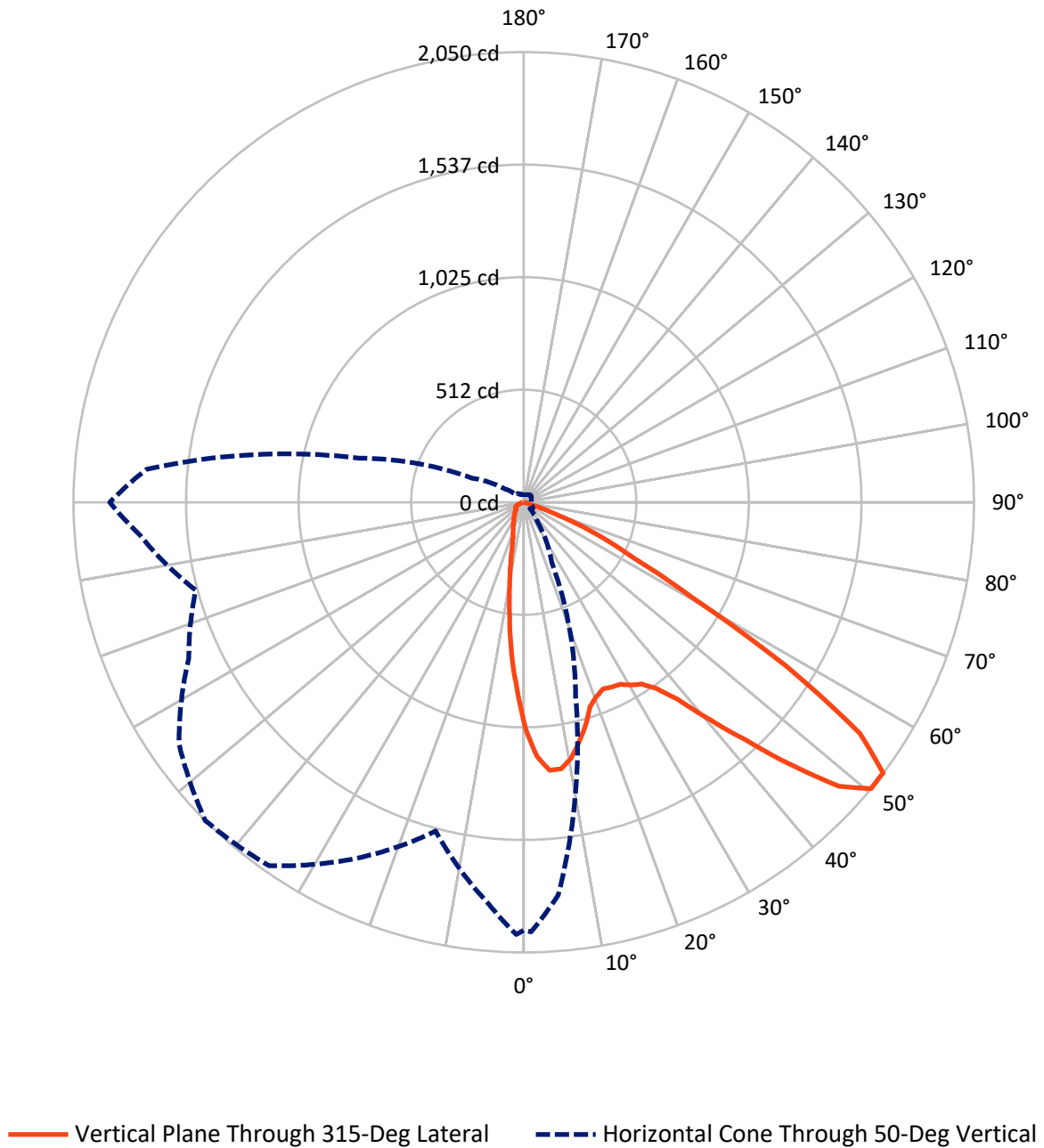
Based on 25 foot mounting height. Maximum calculated value = 1.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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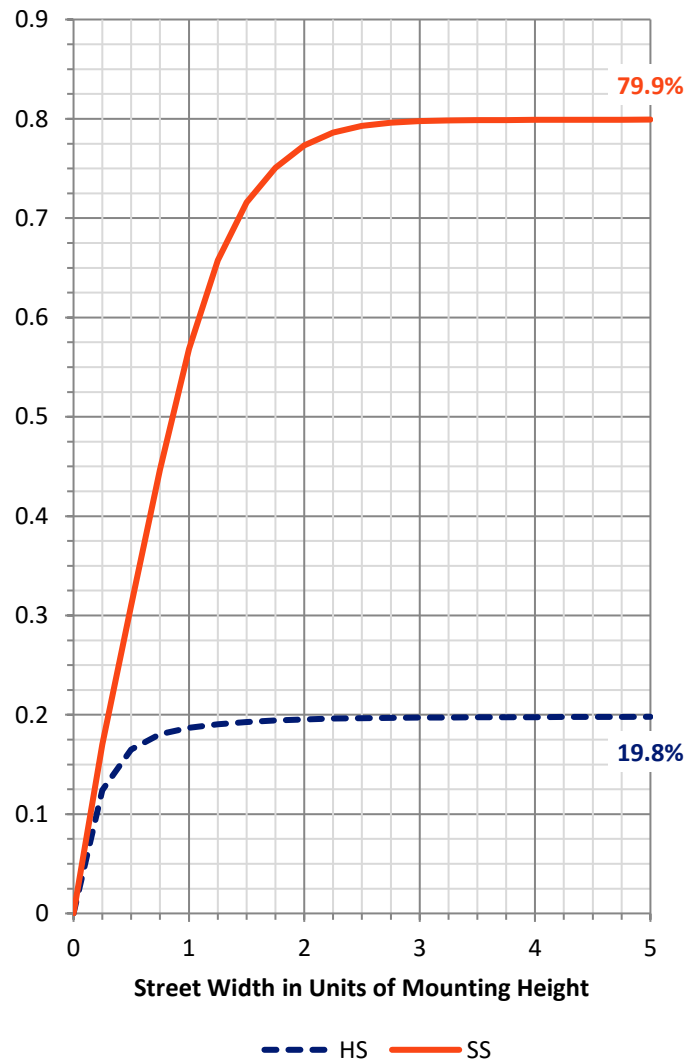
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.2	0.0	407.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	1625.8	0.0	1625.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	2033.0	0.0	2033.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	3.7
10°-20°	149.4	7.3
20°-30°	224.4	11.0
30°-40°	336.8	16.6
40°-50°	473.3	23.3
50°-60°	510.6	25.1
60°-70°	237.1	11.7
70°-80°	22.3	1.1
80°-90°	4.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2033.0	100.0
0°-180°	2033.0	100.0

Coefficient of Utilization



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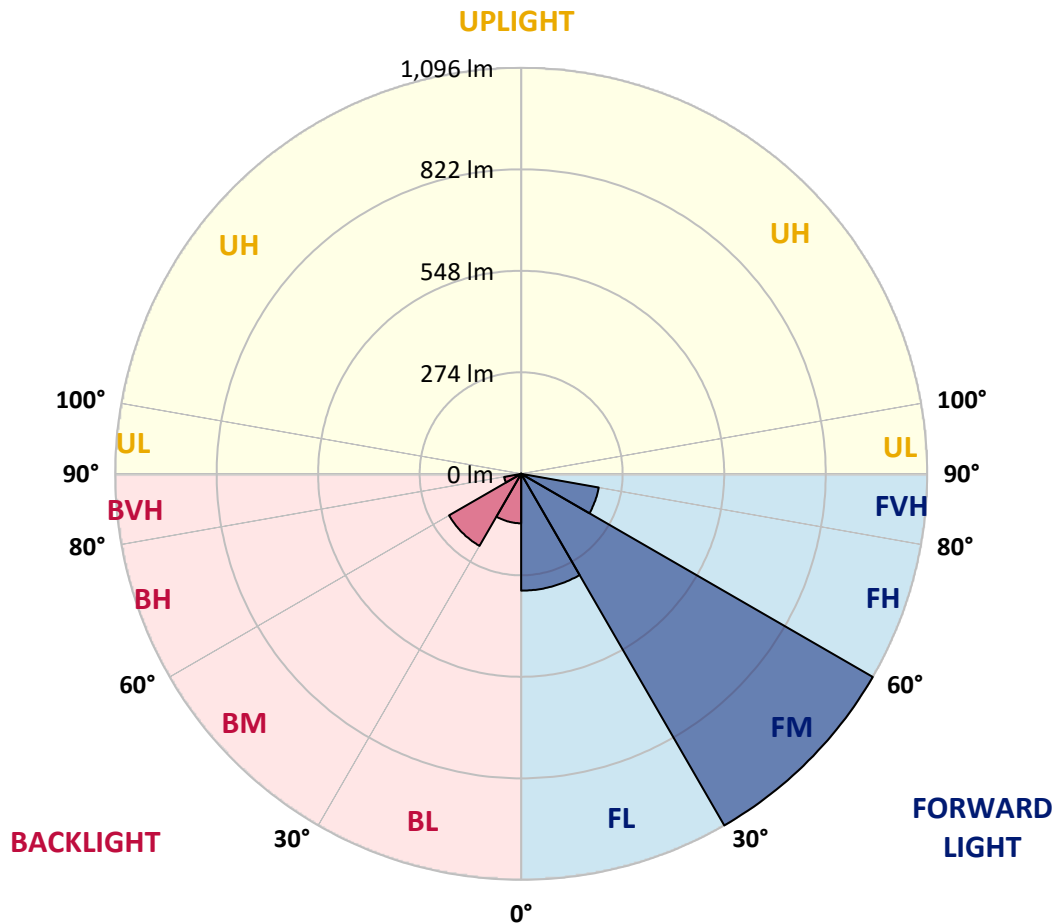
CATALOG NUMBER: GALN-SA1A-830-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.4	15.5			
FM	(30°-60°)	1095.9	53.9			
FH	(60°-80°)	212.6	10.5			G0/660
FVH	(80°-90°)	1.9	0.1			G0/10
BL	(0°-30°)	133.5	6.6	B1/500		
BM	(30°-60°)	224.7	11.1	B1/1000		
BH	(60°-80°)	46.8	2.3	B0/110		G0/110
BVH	(80°-90°)	2.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0
2.5°	1071.7	1055.2	1034.2	1016.9	991.1	939.0	924.9	908.0	893.8	874.9	848.3
5°	974.5	969.3	959.6	894.2	847.1	784.1	732.5	710.7	682.1	658.7	641.7
7.5°	900.3	879.3	848.7	782.9	707.5	640.1	582.9	549.4	511.5	498.6	475.6
10°	820.8	825.7	780.5	688.1	597.0	542.5	507.0	474.8	440.5	417.9	385.2
12.5°	795.4	779.7	745.0	630.9	553.0	502.2	459.0	419.1	382.8	346.5	315.0
15°	812.0	787.8	739.4	618.8	519.1	455.8	401.7	347.7	314.2	267.8	235.2
17.5°	871.3	851.9	787.0	631.7	501.8	411.4	331.2	275.5	224.3	182.3	165.8
20°	970.1	942.7	861.2	648.2	476.0	357.8	268.6	200.1	151.7	133.9	124.6
22.5°	1066.9	1052.0	949.1	680.1	453.0	310.2	201.7	134.7	113.3	110.1	104.1
25°	1251.2	1206.4	1083.4	737.7	435.2	265.4	152.1	108.5	96.0	93.6	94.4
27.5°	1360.9	1323.4	1207.7	776.1	415.5	231.1	128.7	99.6	91.2	85.9	83.9
30°	1466.2	1422.6	1269.4	798.7	373.1	194.8	114.2	95.6	93.6	85.9	83.5
32.5°	1547.3	1504.5	1358.5	832.5	355.8	171.4	94.0	74.6	69.4	68.6	75.8
35°	1671.5	1625.9	1434.8	851.1	342.5	159.3	81.5	66.6	60.5	58.1	58.5
37.5°	1787.3	1756.2	1505.3	858.3	328.3	155.7	73.0	59.7	54.5	52.8	52.4
40°	1884.1	1814.7	1572.3	866.0	322.3	148.8	67.8	54.5	50.8	48.4	48.4
42.5°	1928.5	1857.9	1647.3	861.6	320.7	137.9	67.8	50.0	47.2	44.8	44.4
45°	1918.8	1890.1	1680.8	859.6	320.7	127.1	61.7	48.8	44.8	41.5	40.7
47.5°	1943.8	1906.3	1722.7	868.0	314.2	119.4	52.0	51.2	42.4	38.3	37.5
50°	1948.2	1955.5	1795.8	912.0	300.1	109.7	40.7	50.4	40.7	34.7	33.9
52°	1977.3	1932.1	1817.9	935.4	285.2	102.5	34.3	43.2	39.1	32.3	31.5
52.5°	1937.3	1966.8	1823.2	943.9	286.8	97.6	33.1	42.4	38.3	32.3	30.3
55°	1892.6	1920.8	1801.8	962.0	263.0	76.6	25.8	30.7	34.7	28.2	27.0
57.5°	1644.9	1673.5	1565.8	880.9	214.2	54.1	21.4	23.0	30.7	26.2	25.0
60°	1462.2	1441.6	1314.1	734.9	152.1	30.3	16.9	17.7	33.5	24.2	23.8
62.5°	1336.3	1292.4	1098.3	567.5	92.8	20.2	13.3	13.7	25.8	22.6	22.6
65°	988.6	939.4	729.7	343.3	45.6	14.1	10.1	10.9	16.1	19.4	19.4
67.5°	564.3	545.3	352.5	154.9	19.0	8.9	7.7	8.5	12.5	15.7	14.9
70°	259.4	232.7	135.5	32.7	8.9	6.1	6.1	6.9	10.1	11.7	10.9
72.5°	75.8	71.8	33.1	5.2	3.6	3.6	4.0	5.2	7.7	8.9	8.1
75°	5.6	3.6	2.4	1.6	1.6	2.4	3.2	5.2	7.7	8.5	6.9
77.5°	0.4	0.8	0.4	0.4	1.2	2.4	3.6	6.5	10.1	10.5	7.7
80°	0.4	0.4	0.0	0.4	1.2	2.4	4.0	7.3	11.3	12.1	6.5
82.5°	0.0	0.0	0.0	0.4	1.6	3.2	4.8	7.7	10.5	12.9	6.9
85°	0.0	0.0	0.0	0.4	2.4	4.4	5.6	2.0	1.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0
2.5°	867.2	856.7	852.7	856.3	855.1	853.9	876.1	871.3	870.5	877.7	876.1
5°	651.0	632.5	683.3	662.7	684.1	697.0	699.4	700.6	715.6	699.8	720.4
7.5°	463.9	468.7	468.3	482.0	506.6	528.4	541.3	531.2	530.4	528.4	519.5
10°	370.7	362.2	360.6	357.4	365.0	383.6	399.3	386.8	377.9	390.0	386.4
12.5°	302.9	291.2	284.8	271.9	272.3	284.8	284.8	284.8	293.6	300.5	305.7
15°	232.3	222.7	222.7	209.7	206.9	207.3	213.8	214.6	228.7	232.7	234.8
17.5°	162.6	157.3	163.4	168.6	165.4	166.2	168.6	169.4	171.4	169.8	173.8
20°	125.0	124.2	125.8	135.1	142.0	146.0	143.2	139.2	136.7	131.1	131.1
22.5°	106.1	107.7	110.5	118.2	127.1	129.5	126.3	117.0	109.7	108.9	109.3
25°	94.4	96.0	100.4	105.3	110.1	114.2	110.9	104.1	100.0	96.4	96.4
27.5°	87.1	87.9	90.4	94.0	98.0	101.2	100.0	96.4	92.0	90.4	86.7
30°	81.5	82.7	85.5	86.3	89.9	91.6	89.5	88.7	85.9	83.9	82.7
32.5°	78.7	78.3	80.3	81.1	81.5	82.7	80.3	81.5	81.1	77.8	76.6
35°	59.3	62.5	67.8	72.2	73.4	75.0	74.6	73.0	68.6	64.9	60.5
37.5°	53.2	55.3	58.1	61.7	66.6	68.6	67.8	63.7	58.5	56.1	55.3
40°	49.2	50.4	52.8	55.3	60.1	63.7	60.9	57.3	53.2	51.2	50.0
42.5°	45.6	46.0	47.2	49.6	53.2	58.9	54.1	49.2	47.6	46.4	45.6
45°	41.5	41.5	43.2	44.4	48.4	53.6	48.8	44.4	43.6	42.8	42.4
47.5°	38.3	38.7	39.5	41.1	44.4	48.0	44.8	41.1	39.1	38.7	37.9
50°	34.3	34.7	36.3	37.9	41.9	44.0	41.9	37.9	35.9	34.7	34.7
52°	31.1	32.3	33.9	37.1	39.9	43.2	40.7	36.3	33.9	32.7	31.9
52.5°	30.7	31.5	33.1	36.7	39.9	42.8	40.3	35.9	33.1	32.3	31.5
55°	27.4	28.6	31.5	35.9	39.5	42.8	39.5	35.5	31.5	29.4	28.6
57.5°	26.2	27.0	30.7	36.3	39.1	42.8	39.5	35.5	31.5	27.8	27.0
60°	25.0	26.6	30.7	35.1	38.7	43.2	39.9	35.1	30.7	26.2	26.2
62.5°	23.8	25.0	30.3	34.3	37.1	41.5	38.3	34.3	29.4	25.0	24.6
65°	20.6	22.6	26.6	28.6	31.9	35.9	32.7	29.8	25.8	22.2	21.8
67.5°	15.7	16.5	19.8	22.2	24.2	27.8	26.2	22.6	19.8	16.9	16.9
70°	10.9	11.7	14.1	15.3	17.3	19.4	18.2	15.3	13.3	11.7	11.3
72.5°	7.7	8.1	8.9	9.7	10.5	11.3	10.9	8.9	7.7	7.3	6.9
75°	6.1	6.9	7.3	6.9	6.5	6.1	6.1	5.2	4.4	4.0	4.0
77.5°	6.1	6.5	6.1	5.2	4.4	4.0	3.6	3.2	2.4	2.0	2.4
80°	5.2	5.2	5.2	4.4	4.0	3.6	3.2	2.8	2.4	2.0	2.0
82.5°	5.6	5.6	5.2	4.4	4.4	3.6	3.6	3.2	2.8	2.0	2.0
85°	0.0	0.0	0.0	0.8	2.0	3.6	3.6	3.2	2.8	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.6	2.0	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0
2.5°	890.6	905.9	935.0	964.0	981.8	1002.8	1040.7	1060.8	1087.1	1100.0	1125.4
5°	717.6	753.9	766.8	799.9	835.4	870.9	927.3	989.4	1041.1	1076.6	1122.5
7.5°	523.6	532.0	582.0	604.2	662.3	726.9	803.9	882.1	947.5	1005.6	1040.7
10°	392.5	423.5	455.0	497.3	544.1	610.7	684.5	770.8	855.5	913.6	958.0
12.5°	315.4	340.0	382.0	427.6	485.2	529.2	603.4	688.9	798.7	855.5	914.0
15°	238.8	270.3	317.8	365.0	425.9	472.3	547.4	655.1	796.2	874.5	924.9
17.5°	177.1	198.5	241.2	294.0	356.2	421.5	522.8	651.4	823.3	916.4	968.5
20°	135.5	142.8	169.8	217.0	284.4	369.9	482.8	667.2	903.1	1018.5	1071.3
22.5°	109.7	112.9	123.4	156.1	221.4	324.7	463.9	678.0	993.1	1140.7	1211.3
25°	95.6	94.8	101.6	115.8	173.0	282.4	439.7	719.2	1103.2	1284.3	1347.6
27.5°	87.1	87.1	90.4	100.4	143.6	254.9	424.3	748.6	1214.1	1410.5	1444.8
30°	82.7	83.5	92.8	96.0	119.4	222.3	398.9	778.5	1320.2	1491.2	1538.4
32.5°	76.6	73.4	71.4	79.5	100.4	192.8	373.5	791.0	1406.1	1590.0	1630.4
35°	58.9	57.3	59.7	65.7	86.3	167.8	345.3	805.1	1504.9	1704.6	1712.7
37.5°	53.2	52.8	54.5	59.7	72.6	146.0	325.1	801.5	1580.4	1799.4	1777.6
40°	49.2	49.2	50.4	54.9	64.9	130.7	304.1	798.2	1653.4	1905.9	1842.1
42.5°	46.0	46.0	48.0	50.8	61.7	120.6	288.4	793.8	1714.7	1971.2	1880.1
45°	41.5	42.8	46.0	48.8	62.5	113.7	276.7	776.9	1735.7	1970.4	1861.9
47.5°	38.3	39.9	43.2	47.2	56.5	111.7	268.6	761.9	1728.4	1922.0	1805.0
50°	34.7	36.7	41.1	48.0	48.0	107.7	260.2	775.3	1723.2	1884.5	1750.6
52°	32.3	33.9	39.5	46.8	41.9	99.2	254.9	801.1	1744.5	1879.7	1726.4
52.5°	31.9	33.1	38.3	46.0	39.9	97.6	251.3	807.1	1751.4	1867.6	1742.9
55°	28.2	29.8	35.1	35.9	32.7	80.3	239.6	820.8	1717.5	1843.8	1727.2
57.5°	26.6	27.4	31.1	29.4	28.2	60.5	206.1	799.5	1525.5	1637.6	1607.0
60°	24.6	25.4	29.0	23.0	23.8	42.4	154.9	694.2	1225.0	1364.6	1419.8
62.5°	23.8	23.4	27.4	18.6	20.2	30.7	109.3	564.3	943.9	1123.4	1219.0
65°	21.0	20.6	19.8	15.7	17.3	23.8	65.3	368.3	665.1	849.9	902.3
67.5°	16.1	16.9	14.5	12.5	14.5	18.6	36.3	165.0	348.9	509.8	552.2
70°	11.3	12.1	11.7	10.9	12.9	15.3	21.0	56.5	144.4	267.8	295.3
72.5°	6.9	8.5	8.9	9.3	11.3	13.3	14.9	18.2	38.3	94.8	117.8
75°	4.0	5.6	6.9	8.1	9.3	11.3	12.5	12.9	13.3	17.7	28.6
77.5°	2.8	4.0	6.1	7.7	9.3	11.3	13.3	14.1	13.3	12.5	13.3
80°	2.4	4.0	5.6	7.3	9.7	11.7	13.3	13.3	12.9	11.3	12.1
82.5°	2.4	4.0	6.1	7.7	9.3	11.3	12.9	13.3	12.1	11.3	11.7
85°	2.8	4.4	6.5	8.1	10.1	9.3	8.5	6.9	6.5	5.2	5.6
87.5°	2.8	4.0	4.0	4.4	4.8	4.8	4.8	4.4	3.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0	1031.0
2.5°	1126.6	1158.9	1157.6	1158.4	1153.6	1120.9	1105.2	1065.3	1076.6	1071.7
5°	1169.7	1201.6	1229.0	1225.8	1188.7	1144.3	1078.6	1016.5	999.5	974.5
7.5°	1126.6	1203.2	1228.6	1225.0	1170.1	1113.3	1008.4	946.3	916.8	900.3
10°	1058.0	1146.8	1178.2	1184.7	1147.6	1061.2	964.8	865.2	849.5	820.8
12.5°	1018.9	1083.4	1102.8	1120.1	1107.2	1042.7	931.8	836.2	814.4	795.4
15°	987.0	1025.3	1033.4	1053.2	1060.8	1026.1	949.1	867.6	814.0	812.0
17.5°	1016.5	1000.7	971.3	977.3	1001.5	1026.6	993.9	929.7	877.7	871.3
20°	1065.3	995.9	929.3	944.3	964.4	1041.1	1061.6	1016.5	986.6	970.1
22.5°	1121.3	1004.4	916.0	923.3	961.6	1073.7	1171.4	1146.3	1090.7	1066.9
25°	1225.0	1027.8	926.5	931.4	983.8	1119.3	1270.6	1289.1	1256.1	1251.2
27.5°	1326.2	1088.3	949.5	938.6	995.1	1163.7	1330.7	1430.3	1372.2	1360.9
30°	1377.9	1137.5	983.8	965.2	1041.9	1190.7	1367.0	1522.3	1471.5	1466.2
32.5°	1456.9	1182.2	1010.4	986.6	1068.1	1224.2	1434.8	1622.7	1573.5	1547.3
35°	1490.0	1231.1	1068.9	1041.1	1143.1	1271.0	1469.4	1712.3	1696.9	1671.5
37.5°	1553.7	1283.5	1137.9	1136.3	1233.9	1331.9	1532.0	1834.1	1831.3	1787.3
40°	1559.0	1340.8	1246.8	1297.6	1374.2	1438.0	1586.8	1868.0	1913.9	1884.1
42.5°	1567.1	1441.2	1435.2	1477.1	1542.9	1529.1	1588.8	1876.0	1946.2	1928.5
45°	1570.7	1541.6	1626.7	1704.2	1731.6	1648.5	1569.9	1860.7	1963.2	1918.8
47.5°	1541.6	1628.0	1781.6	1931.3	1939.4	1721.9	1561.8	1845.0	1973.2	1943.8
50°	1545.7	1682.0	1915.6	2049.5	2020.0	1786.9	1549.3	1835.3	1968.0	1948.2
52°	1536.0	1683.2	1934.5	2047.1	2026.5	1751.0	1527.9	1798.2	1963.2	1977.3
52.5°	1546.9	1676.0	1914.7	2048.7	2022.0	1768.7	1525.1	1818.7	1966.0	1937.3
55°	1509.4	1589.6	1799.0	1855.9	1851.8	1605.4	1438.4	1750.6	1892.2	1892.6
57.5°	1364.2	1377.9	1411.0	1409.7	1391.2	1262.1	1230.2	1609.8	1686.9	1644.9
60°	1202.0	1008.8	919.7	883.4	862.8	841.8	1088.3	1472.7	1479.9	1462.2
62.5°	1038.7	699.4	580.8	570.8	575.6	652.2	1052.0	1418.2	1374.6	1336.3
65°	838.2	509.8	421.9	408.6	455.8	538.5	851.5	1087.5	1020.5	988.6
67.5°	526.4	371.9	285.2	260.2	317.0	370.7	559.5	683.3	608.3	564.3
70°	312.2	207.7	129.1	115.8	130.3	197.6	313.4	340.8	281.9	259.4
72.5°	123.0	76.2	35.9	30.7	31.9	69.4	115.4	112.5	85.1	75.8
75°	33.1	23.0	12.5	10.1	8.5	12.9	18.6	12.1	4.4	5.6
77.5°	15.3	13.7	10.9	8.5	6.5	4.8	2.4	0.8	0.8	0.4
80°	13.3	11.7	10.1	8.5	6.5	4.0	2.0	0.4	0.4	0.4
82.5°	12.5	10.9	9.3	7.7	6.1	4.0	2.0	0.4	0.0	0.0
85°	5.2	6.9	7.7	7.3	6.5	4.0	2.0	0.4	0.0	0.0
87.5°	2.8	2.4	2.0	1.6	1.2	0.8	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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